Patent claims:

1. Process for the determination of an actual value of a control variable set by an actuator in accordance with a theoretical value, **characterized in that,** a partial value ($\Delta\delta_{VARI}$; $\Delta\delta_{\Sigma}$) of an actual value ($\Delta\delta_{AFS}$) set in accordance with a theoretical total value ($\Delta\delta_{AFS,\,req}$) consisting of a sum of theoretical partial values ($\Delta\delta_{VARI,\,req}$, $\Delta\delta_{GRR,\,req}$, $\Delta\delta_{GMK,\,req}$) is determined, in dependence on the theoretical partial value ($\Delta\delta_{VARI,\,req}$; $\Delta\delta_{\Sigma,\,req}$) corresponding to the partial value ($\Delta\delta_{VARI}$; $\Delta\delta_{\Sigma}$), in an actuator model formed with at least one parameter (T_{AFS}), whereby the value ($\tilde{T}_{AFS}$) of the parameter (T_{FAS}) is determined by means of a divergence ($\epsilon_{\delta,\,AFS}$) between the theoretical total value ($\Delta\delta_{AFS,\,req}$) and a determined actual total value ($\Delta\delta_{AFS}$) of the control variable.

2. Process in accordance with claim 1, **characterized in that,** the value ($\tilde{T}_{AFS}$) of the parameter (T_{AFS}) is assigned to the value of the deviation ($\epsilon_{\delta,\,AFS}$) by means of a characteristic curve.

3. Process in accordance with one or both of the claims 1 and 2, **characterized in that,** the value ($\tilde{T}_{AFS}$) of the parameter (T_{AFS}) is determined by means of an actuator model or a parameter estimation process.

4. Process in accordance with one or more of the preceding claims, **characterized in that,** the value ($\tilde{T}_{AFS}$) of the parameter (T_{AFS}) is determined by means of the same actuator model as the partial value ($\Delta\delta_{VARI}$; $\Delta\delta_{\Sigma}$) of the actual value ($\Delta\delta_{AFS}$) of the control variable.

5. Process in accordance with one or more of the preceding claims, **characterized in that,** a value ($\tilde{T}_{AFS}$) for the parameter (T_{AFS}) is only determined if the rate of change ($\dot{\Delta\delta}_{AFS,req}$) of the total theoretical value ($\Delta\delta_{AFS,\,req}$) and/or the rate of change ($\dot{\Delta\delta}_{AFS}$) of the total actual value ($\Delta\delta_{AFS}$) exceeds a preset threshold value.

6. Process in accordance with one or more of the preceding claims, **characterized in that,** a value ($\tilde{T}_{AFS}$) for the parameter (T_{AFS}) is retained if the rate of change ($\Delta\dot{\delta}_{AFS,req}$) of the total theoretical value ($\Delta\delta_{AFS,\,req}$) and/or the rate of change ($\Delta\dot{\delta}_{AFS}$) of the total actual value ($\Delta\delta_{AFS}$) lies below the preset threshold value.

7. Process in accordance with one or more of the preceding claims, **characterized in that,** the value ($\tilde{T}_{AFS}$) of the parameter (T_{AFS}) is limited to a preset interval.

8. Process in accordance with one or more of the preceding claims, **characterized in that,** a time constant (T_{AFS}) is determined as the parameter of an actuator model describing a transmission behavior of the actuator.

9. Process in accordance with one or more of the preceding claims, **characterized in that,** an assessed value ($\Delta\tilde{\delta}_{VARI}$; $\Delta\tilde{\delta}_{\Sigma}$) is determined for an actual partial value ($\Delta\delta_{VARI}$; $\Delta\delta_{\Sigma}$) of a steering angle ($\Delta\delta_{AFS}$) set by an actuator of a superimposition steering on the steerable wheels of a vehicle.

10. Process in accordance with one or more of the preceding claims, **characterized in that,** an assessed value ($\Delta\tilde{\delta}_{VARI}$) is determined for an actual partial value ($\Delta\delta_{VARI}$) of a steering angle changing a transmission ratio of a steering of the vehicle in a manner dependent upon speed, and set by means of a superimposition steering.